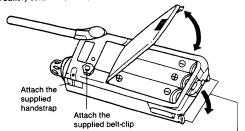
Lift the bottom tab and lift the battery-case cover. Insert three AA drycells or NiCd battery cells here; close, and lock with the bottom tab.



Be careful not to touch with metals/conductives.

■ DISPLAY



- (A) "M" is displayed continuously on a programmed memory channel. The "M" flashes on a memory channel not yet programmed.
- (B) Memory channel number.
- © Frequency (and other parameters when programming functions)
- (D) "BUSY" appears upon receiving a signal.
- (E) S-meter/RF output power meter
- F Auto Power Off enabled
- G Low Battery Indicator (Flashes when needs replacement or charge)
- (H) Low Power Output mode indicator
- (I) Alarm function ON
- Offset shift direction
- (K) CTCSS tone encoder ON

QUICK REFERENCE CHART

| Condition | Pressed alone | Pressed while F is pressed | Press and hold and turn the power on |
|-----------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------|
| Key | | | |
| F | | | reset |
| MONI | unmutes squelch | keylock/unlock | beep on/off |
| PTT | transmits | | |
| V/M | VFO← →Memory | Mem. write mode: Select CH by UP/DOWN key, & press V/M to write. | Channel Indication Mode |
| UP | freq./mem up (scans if pressed a while) (If pressed with PTT, emits alert tone.) | | Courtesy beep ON |
| DOWN | freq./mem down (scans if pressed awhile) (If pressed with PTT, emits alert tone.) | tone freq. change | Courtesy beep OFF |
| CALL | call channel | alarm on/off | alert/1750Hz |
| SCAN | scan start | offset programming | |
| LAMP | lamp on/off | Auto Power Off | change lamp mode |

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■ FEATURES

Telescopic Antenna I

Rotate, stand up and extend fully when operating.

External Power Terminal I

Do not connect any power supply when dry cells are installed in the radio

If NiCd batteries are installed, charging can be done through this terminal using the EDH-18, EDC-79 charger, or an external regulated 5.5V DC (negative ground).

(Do not use any other types of charger orelse the radio will be damaged and warranty will be void.)

External Microphone Jack I-

Connect to this jack when using an optional microphone (e.g. EMS-9, EME-12, etc.)

External Speaker Jack I

Connect to this jack when using an optional speaker (e.g. EMS-9, EME-12, etc.)

PTT

Press-to-talk switch.

MONITOR I

Press this switch to unmute the preset squelch and monitor weak signals. Press and hold the F-key and press this key to lock/unlock the keys to avoid unintended key entries. ("L" is displayed during the keylock.)

Function (F)

Press and hold this key and press another key to activate the secondary function. Press and release this key quickly to change the blinking frequency digit: the blinking digit can be changed with the UP/DOWN keys.

V/M/MW I

Changes between VFO and memory channel To program a memory channel, (1) in the VFO mode, press and hold the F-key and press this key, (2) Use the UP/DOWN key to select a memory channel number, (3) Press this key again to memorize the displayed frequency (including the offset and tone encoder) to that channel. Memory channels available are: c, 0 ~ 19.

DOWN/tone I

Press this key to change frequency/channel downwards. Press this key while pressing the F-key to entre programming mode for the CTCSS encoder. Then press this key to change the encoding tone frequency. Press the F-key with this key again to the display/erase the II in the LCD that turns on/off the encoder. Press PTT to exit.

Pressing the UP or DOWN key while transmitting will emit 1750Hz tone or the alerting ring to raise the attention of the called party. This sound can be toggled between 1750Hz or the alerting ring by press and holding the CALL key (see below) and turning on the power. Press the UP or DOWN key for a few seconds to start scanning.

UP I-

Press this key to change frequency/channel upwards. Press this key while pressing the F-key to entre programming mode for the channel step. Press this key to change the channel step. Press PTT to exit

Microphone I

Speaker I

UHF FM MINI POWER TRANSCEIVER

EC10

■ SPECIFICATIONS:

< General >

0

(C)

000000

LAMP/APO I

LCD I-

SCAN/SHIFT I

CALL/BELL I

0

Press this key to illuminate the LCD for 5 seconds.

Press and hold the F-key and press this key to

toggle the APO (auto-power-off); Use the

UP/DOWN keys to change the automatic power

off timer from OFF to 120 min. in 30 min. step.

Press and hold this key and turn the power on,

then the 5 second illumination timer is disabled;

the lamp is toggled on/off with the key regardless

Press this key to scan. Press and hold the F-key and

press this key to set the semi-duplex offset frequen-

cy. Each press of the key in the offset setting mode

changes the shift direction + or - Press PTT to exit

Pressing this key changes your operating frequency to memory ch "C". Pressing again resumes the

original frequency. Press and hold the F-key and press this key to turn on/off the alarm function; the

function alarms you with an electronic sound when a signal is received. (\(\sigma\) appears in the LCD.)

Power switch and Volume 1

of the time passed.

- Frequency range/433.0625~434.7750MHz Modulation/F3E • DC power source/3.6~4.5V (internal battery), 5.5V (external
- regulated source) Current TX/approx. 30mA@4.5V DC, RX/ approx. 33mA (squelched) • Dimensions / 55(W) × 100(H) × 28(D)mm without projections • Weight/approx. 185g (with three AA drycells)
- < Transmitter>
- Output Power/approx. 10mW@4.5V DC Modulator/Variable reactance • Max. deviation / ±5kHz

<Receiver>

Configuration/Double conversion superheterodyne • I.F./1st: 23.05MHz/2nd: 450kHz • Sensitivity/better than -15dBμ (12dB SINAD) • AF output / not less than 100mW (10% distort, @8Ω)

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OTHER FUNCTIONS

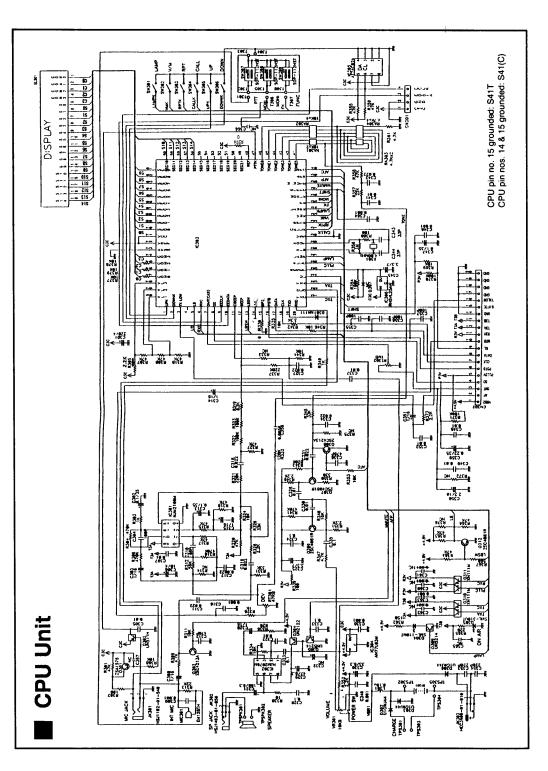
- Courtesy Beep: A short beep is emitted on your transmitting signal upon each release of the PTT key, to let the other party "goahead" and talk. To toggle on this function, press and hold the UP key and turn on the power. To toggle off, do the same with the DOWN key.
- Key Stroke Beep Sound: The beep heard with each stroke of keys can be toggled on/off, by pressing and holding the MONITOR key and turning the power on.
- Channel Display Mode: Only the memory channel number (and not the frequency) is displayed. If your operation is limited on your "usual" channels only, this setting may be useful. This mode can be entred/exited by press/holding the V/M key and turning the power on.

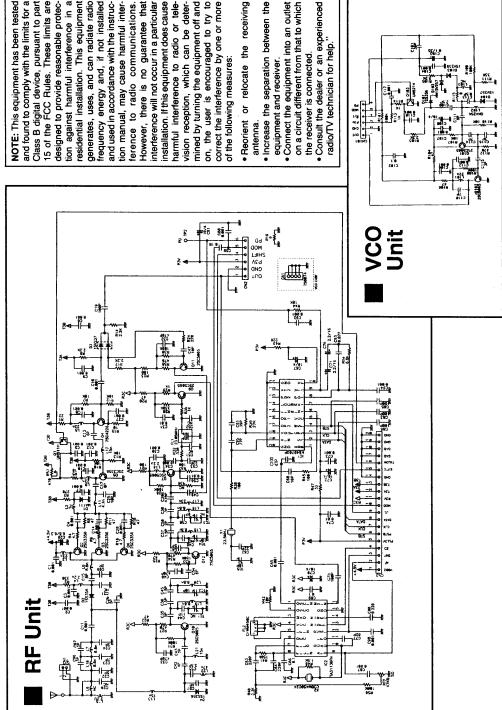
Resetting: Press and hold the F-key and turn on the power.

OPTIONS

| Battery Charger | EDC-79 (220V AC input |
|-----------------------------------------------|-----------------------|
| Headset with VOX | EME-12 (Earpad type |
| • Tie-pin mic. and earphone with VOX | EME-1 |
| Speaker Microphone | |
| Earphone Mic | EME- |
| Soft Case | ESC-2 |
| Car lighter DC cable with voltage conversion: | |
| Mobile bracket | |

*Specifications and information found in this document are subject to change without notice Choice of NiCd battery is at user's risk





NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: